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**From:** Piro, Peter (DPH)  
**Sent:** Wednesday, January 19, 2011 5:51 PM  
**To:** Salemi, Charles (DPH); Lawler, Michael (DPH)  
**Cc:** Nassif, Julianne (DPH)  
**Subject:** GHB Update

Just finished working on a GHB spiked Coca Cola sample (1mg/mL) and I was easily able to detect derivatized GHB with sugars and all. The dried Coca Cola formed an oily mass that did not dissolve in BSTFA. I vortex a few minutes and removed the BSTFA for GC/MS analysis. Derivatization occurred immediately and I **did not** use any acetonitrile. This is **great** news because that means we don't have to do the free acid conversion in order to remove sugars that could potentially interfere with GHB derivatization. If we ever need to, however, the free acid conversion in Coca Cola produced a nicely derivatized GHB peak. A key step to that procedure would involve extracting the unknown at least 3X with equal volumes of chloroform to remove GBL since pH may need to be adjusted.